

**From:** [Bernard Fenelon](#)  
**To:** [Faryan, Steve](#)  
**Cc:** [David Olchawa](#); [Mike Melton](#); [Lisa Graczyk](#); [Rauh, Jay \(Jay.Rauh@WestonSolutions.com\)](#)  
**Subject:** RE: Geoprobe borings at Pit 2  
**Date:** Wednesday, May 14, 2014 5:08:57 PM  
**Attachments:** [removed.txt](#)  
[DRAFT Wedron Silica - 2013 Soil Boring and Well Location Map.pdf](#)  
[GROUNDWATER EQUIPOTENTIAL - 4.17.14 Revised.pdf](#)

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The 2013 borings and wells are provided on the first of the attached drawings. The second attachment provides the locations of the proposed Pit 2 borings. The locations have not been surveyed yet, so they are approximate. The borings were drilled close to where they were planned. The middle boring was moved slightly to the north due to a conflict with a water line.

**Bernard G. Fenelon**

**Sr. Project Manager**

GZA GeoEnvironmental, Inc.

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**From:** Faryan, Steve [mailto:faryan.steven@epa.gov]

**Sent:** Wednesday, May 14, 2014 12:30 PM

**To:** Bernard Fenelon

**Cc:** David Olchawa; Mike Melton; Lisa Graczyk; Rauh, Jay (Jay.Rauh@WestonSolutions.com)

**Subject:** Re: Geoprobe borings at Pit 2

Bernie and Mike. Can you send a map with the designations for the peizometers soil borings and borings we are completing today. Thanks

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

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**From:** Bernard Fenelon

**Sent:** Wednesday, May 7, 2014 2:32 PM

**To:** Faryan, Steve

**Cc:** David Olchawa; Mike Melton; Lisa Graczyk; Rauh, Jay ([Jay.Rauh@WestonSolutions.com](mailto:Jay.Rauh@WestonSolutions.com))

**Subject:** RE: Geoprobe borings at Pit 2

I have attached a figure with the southern Pit 2 proposed boring moved 50 to 75 feet further to the south. The boring was also moved a short distance to the west to keep it out the middle of a roadway.

We will begin the borings around the 2 former 4,000-gallon gasoline USTs tomorrow morning at 9:00 am. We will then move to the Pit 2 borings after the UST borings are complete. Because the number of borings around the former USTs are contingent on what is observed during the screening of soil, the number of borings to be completed around the former USTs is unknown. We anticipate finishing the former UST borings by the middle to late afternoon on Thursday. Some of the work may go over into Friday morning. Contact me with additional questions. Take care,

**Bernard G. Fenelon**

**Sr. Project Manager**

GZA GeoEnvironmental, Inc.

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**From:** Faryan, Steve [<mailto:faryan.steven@epa.gov>]

**Sent:** Wednesday, May 07, 2014 1:51 PM

**To:** Mike Melton

**Cc:** David Olchawa; Bernard Fenelon; Lisa Graczyk; Rauh, Jay ([Jay.Rauh@WestonSolutions.com](mailto:Jay.Rauh@WestonSolutions.com))

**Subject:** RE: Geoprobe borings at Pit 2

Mike or Bernie,

What time are you going to start the proposed geoprobe borings at Pit 2 tomorrow? Jay Rauh will be on site from Weston and his email is above. Let us know a start time.

Thanks,

Steve Faryan, USEPA

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**From:** Mike Melton [<mailto:Mike.Melton@fmsand.com>]

**Sent:** Wednesday, May 07, 2014 11:36 AM

**To:** Faryan, Steve

**Cc:** Bernard Fenelon; Bill Bath; David Olchawa

**Subject:** Re: AOC related submittal for April 22, 2014

Steve,

In Oklahoma this week and traveling today.

I can see if Bernie can mock up another drawing for review.

Bernie,

Can you move a Geoprobe location per Steve's request and distribute.

Mike

Sent from my iPhone

On May 7, 2014, at 10:55 AM, "Faryan, Steve" <[faryan.steven@epa.gov](mailto:faryan.steven@epa.gov)> wrote:

Mike,

I am not going to be in Wedron tomorrow. Weston will be on site. I would like to resolve today. Can you shoot me a map with your proposed locations moved to the south 50-75 feet or where we can get access?

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**From:** Mike Melton [<mailto:Mike.Melton@fmsand.com>]

**Sent:** Wednesday, May 07, 2014 9:09 AM

**To:** Faryan, Steve

**Cc:** David Olchawa; Bernard Fenelon ([bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com)); Bill Bath

**Subject:** RE: AOC related submittal for April 22, 2014

Steve,

Should we discuss proposed locations tomorrow in Wedron?

Mike

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**From:** Faryan, Steve [<mailto:faryan.steven@epa.gov>]

**Sent:** Wednesday, May 07, 2014 8:32 AM

**To:** Mike Melton

**Cc:** David Olchawa; Bernard Fenelon ([bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com)); Bill Bath; Clark, Jacqueline

**Subject:** RE: AOC related submittal for April 22, 2014

Mike,

I would be Ok with moving the proposed boring to the south while still conducting the sampling in fill material that was used to fill Pit 2.

Call on my cell today if you need to discuss.

Steve Faryan, 312-8020507

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**From:** Mike Melton [<mailto:Mike.Melton@fmsand.com>]

**Sent:** Wednesday, May 07, 2014 5:05 AM

**To:** Faryan, Steve

**Cc:** David Olchawa; Bernard Fenelon ([bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com)); Bill Bath

**Subject:** Re: AOC related submittal for April 22, 2014

Steve,

I noticed a typo in the e-mail from yesterday. I have added the corrected text.

"The AOC work for Pit 2 was to advance three Geoprobe borings into the backfilled portion of Pit 2. If you still want to move the boring that far south then we may not be able to collect **SAMPLES** in conformance with the AOC."

Not sure what you want to do about not hitting the back filled portion if pit 2 if a Geoprobe location is moved to an un-mined area. I do not think any areas south of the Ameren substation was mined because USEPA TMW-6 from July 2012 appeared to have been advanced into an un-mined area as well as historic photographic evidence.

Mike

Sent from my iPhone

On May 6, 2014, at 4:35 PM, "Mike Melton" <[Mike.Melton@fmsand.com](mailto:Mike.Melton@fmsand.com)> wrote:

Steve,

I feel that moving the boring that far south could put the boring in a location outside of the area mined at Pit 2. This would result in Geoprobe refusal at the natural soil to bedrock contact which I would estimate to be above the local water table. This result would be much like what you had experienced with the July 2012 IEPA Geoprobe advanced in the grassed area between County Highway 21 and the Ameren Substation SE of the Technisand plant. That IEPA Geoprobe had refusal at the soil bedrock contact with no groundwater encountered.

The AOC work for Pit 2 was to advance three Geoprobe borings into the backfilled portion of Pit 2. If you still want to move the boring that far south then we may not be able to collect the in conformance with the AOC.

Let us know your thoughts.

Mike

-----Original Message-----

From: Faryan, Steve [<mailto:faryan.steven@epa.gov>]

Sent: Tuesday, May 06, 2014 8:33 AM

To: Mike Melton

Subject: RE: AOC related submittal for April 22, 2014

Mike,

I am willing to work with you on the location. Can we move it 100-150 feet to the south and still be clear of utilities, and on going activity at the property.

-----Original Message-----

From: Mike Melton [<mailto:Mike.Melton@fmsand.com>]

Sent: Monday, May 05, 2014 4:52 PM

To: Faryan, Steve

Cc: [bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com); David Olchawa; Bill Bath

Subject: Re: AOC related submittal for April 22, 2014

Steve,

How far south are you talking about for proposed Geoprobe A at Pit 2?

Both Dave Olchawa and I are out of town thru Wednesday.

Mike

Sent from my iPhone

On May 5, 2014, at 3:59 PM, "Faryan, Steve"

<[faryan.steven@epa.gov](mailto:faryan.steven@epa.gov)> wrote:

Mike,

We had a team meeting today and have the following comment on the three borings proposed near Pit 2 (Locations A, B, C) Location A does not appear to be far enough to the south (down gradient from the former landfill). U.S. EPA would like to see the location moved to the south or an additional location added south of the proposed location A. I will be in Wedron tomorrow if you would like to discuss.

As per our phone conversation, U.S. EPA would agree to proceeding with the borings near Pit 2 with the above comment and that the work will initiate this Thursday.

Also, Can Bernie send a map or description of how the

piezometers are numbered and the boring locations from the soil sampling.

Thanks,

Steve Faryan, USEPA

On-Scene Coordinator

312-353-9351

-----Original Message-----

From: Mike Melton [<mailto:Mike.Melton@fmsand.com>]

Sent: Monday, May 05, 2014 2:43 PM

To: Faryan, Steve

Cc: David Olchawa; Bill Bath; Bernard Fenelon

Subject: Re: AOC related submittal for April 22, 2014

Steve,

Do you have any update to provide us regarding USEPA approval of the proposed Pit 2 Geoprobe locations?

Mike

Sent from my iPhone

On May 2, 2014, at 12:50 PM, "Mike Melton" <[Mike.Melton@fmsand.com](mailto:Mike.Melton@fmsand.com)> wrote:

Steve,

As a follow-up to our conversation this afternoon, GZA will be able to lock in a mobilization to Wedron and complete Geoprobe investigations at Pit 2 as well as the former gasoline UST areas on May 8th and 9th (Thursday and Friday of next week).

We just need USEPA approval of the pit 2 locations and GZA will get the ball rolling.

Let us know.

Mike Melton

Sent from my iPhone

On Apr 22, 2014, at 8:00 PM, "Mike Melton" <[Mike.Melton@fmsand.com](mailto:Mike.Melton@fmsand.com)> wrote:

Steve,

I did not make the US Postal Service tonight so I am providing an AOC related deliverable via e-mail and can

hand them directly to you tomorrow if you are in Wedron.

I have attached the following:

- \* Letter progress report,
- \* GZA table containing groundwater measurements on April 8 and April 17 from various ground and surface water stations around Wedron,
- \* GZA draft groundwater elevation contours for April 8 and April 17 measurement events (Note that both maps identified three additional geo-probe sample locations at Pit 2), and
- \* Letters from IEPA Bureau of Land, LUST Section indicating their conditional approval of the proposed Stage 2 work plan associated with the two 4000-gallon USTs formally located at the facility.

Note that we should be able to mobilize into the field for an expanded investigation at the 2-4000 gallon USTs as well as the additional Pit 2 investigation within a week or two if we get a timely response back from your office on what is proposed.

Again, I am able to hand deliver these items if you are in Wedron tomorrow afternoon. I have an appointment with the USEPA air folks tomorrow at 1 p.m. at the Tech Center. Feel free to stop by and see me there at approximately 1 p.m. or sometime after that. Just let me know so I have the attached items printed to hand over to you.

Mike Melton

<04 22 2014 AOC report on  
GW elevations and proposed pit

2 geoprobe

locations..pdf> < work UST  
gasoline on 2 No letter 2014 16  
04>

plan.pdf> < work UST gasoline  
on No letter 2014 16 04 1>

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Environ - 2014-April 8  
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- Environ>

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